

REPORT ON BOILERS.

No. 10941.

MON. 6 JUN. 1921

Received at London Office

Date of writing Report 27th May 1921 When handed in at Local Office 3rd June 1921 Port of Southampton
 No. in Survey held at Pontsmouth Date, First Survey 17th Sept. 1920 Last Survey 24th May 1921
 Reg. Book. on the S.S. "OLEANDER" (Number of Visits 21) Gross Tons Net Tons
 Master Built at Pembroke By whom built H.M. Dockyard When built
 Engines made at By whom made when made
 Boilers made at Pontsmouth By whom made H.M. Dockyard when made 1921
 MINAL Horse Power 644 Owners The Admiralty Port belonging to

MULTITUBULAR BOILERS — MAIN, ~~AUXILIARY OR DONKEY~~ — Manufacturers of Steel The Park Gate Iron & Steel Co. Ltd.
David Colville & Sons Ltd.
 Letter for record S Total Heating Surface of Boilers 2556 ^{ONE} Is forced draft fitted yes No. and Description of Boilers One Single Ended Working Pressure 180 ^{ONE} Tested by hydraulic pressure to 320 Date of test 24-5-21
 No. of Certificate 352 Can each boiler be worked separately Area of fire grate in each boiler 63.3 No. and Description of Safety valves to each boiler Area of each valve Pressure to which they are adjusted
 Are they fitted with easing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler
 Smallest distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers 15'-7 1/4" Length 11'-6"
 Material of shell plates Steel Thickness 1 1/4" Range of tensile strength 28 to 32 Are the shell plates welded or flanged No
 Description of riveting: cir. seams D.R. LAP. long. seams T.R. BUTT STRAPS Diameter of rivet holes in long. seams 1 5/16" Pitch of rivets 9 1/8"
 No. of plates or width of butt straps 19 1/2" Per centages of strength of longitudinal joint rivets 88.2 Working pressure of shell by plate 85.6
 No. of end plates 181 Size of manhole in shell 16" X 12" Size of compensating ring 7 flanged No. and Description of Furnaces in each boiler 3 Corrugated Material Steel Outside diameter 4'-2 3/16" Length of plain part Thickness of plates crown 19" bottom 32"
 Description of longitudinal joint Welded No. of strengthening rings Working pressure of furnace by the rules 188.1 Combustion chamber material Steel Thickness: Sides 23/32" Back 1/16" Top 23/32" Bottom 23/32" Pitch of stays to ditto: Sides 9 1/4" X 10 5/8" Back 8 3/4" X 10 1/4"
 If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 180 Material of stays Steel AREA Diameter at smallest part 2.395 Area supported by each stay 98.28 Working pressure by rules 219 End plates in steam space: Material Steel Thickness 1 1/32"
 How are stays secured DOUBLE NUTS Working pressure by rules 180.7 Material of stays Steel AREA Diameter at smallest part 8.29
 Area supported by each stay 473.0625 Working pressure by rules 182.2 Material of Front plates at bottom Steel Thickness 3/32" Material of cover back plate Steel Thickness 27/32" Greatest pitch of stays 13 5/8" X 8 3/4" Working pressure of plate by rules 187.6 Diameter of tubes 2 3/4"
 Material of tube plates Steel Thickness: Front 31/32" Back 3/4" Mean pitch of stays 9 1/4" Pitch across wide spaces 13 5/8" Working pressures by rules 181.1 Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 10" X 1 3/4" Length as per rule 35 9/16" Distance apart 10 5/8" Number and pitch of Stays in each 3 - 9 1/4"
 Working pressure by rules 187.6 Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked separately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet
 Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 Stays secured with rings Distance between rings Working pressure by rules End plates: Thickness How stayed
 Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

The foregoing is a correct description.
A. W. Reader Manufacturer.

During progress of survey 17. 19. 22. 5. 9. 17. 25. 29. 14. 20. 21. 17. 24. Is the approved plan of boiler forwarded herewith yes
 work in shops 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31.
 During erection on board vessel 1. 10. 15. 24. 28. 18. 24. Total No. of visits 21

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
The Boiler has been built under Special Survey.
The materials and workmanship are sound and good.
The boiler is being sent to H.M. Dockyard, Pembroke.

Survey Fee £ 12 15 When applied for 13/11/1922
 Travelling Expenses (if any) £ 3 0 When received 30/5/23
 of Shipping

Committee's Minute FRI. NOV. 17 1922
 signed TUE. DEC. 5 1922
TUE. JUN. 26 1923
 Lloyd's Register Foundation

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